

# **BROWN COUNTY EMERGENCY SUPPORT FUNCTION (ESF) 3 PUBLIC WORKS AND ENGINEERING**

**LEAD COORDINATING AGENCY:** Brown County Public Works Department

**SUPPORT AGENCIES:** Brown County Highway Department  
Brown County Emergency Management  
Brown County Zoning Department  
Municipal Public Works Departments  
Private Utility and Communication Companies  
Private Engineering Services  
Private Railroad Companies

**STATE COORDINATING AGENCY:** Wisconsin Emergency Management

## **I. INTRODUCTION**

### **A. Purpose**

ESF #3 (Public Works and Engineering) describes how Brown County supports local municipalities in the response and recovery phases of a disaster with assessing the damage to infrastructure and buildings; restoring and maintaining essential services; providing technical assistance through specialized personnel, equipment and supplies and procuring private sector resources.

### **B. Scope**

County, local, and tribal governments are responsible for public works and infrastructure and have the primary responsibility for incident prevention, preparedness, response, and recovery, including county-wide planning for ESF 3 activities. When activated to respond to an incident, the agencies for ESF #3 develop work priorities in cooperation with the county, local and/or tribal government

The private sector is responsible for a large proportion of the county/local infrastructure and is the lead for the rapid restoration of infrastructure-related services. They participate in ESF #3 Incident Action Planning and other planning activities as appropriate and warranted.

ESF 3:

1. Coordinates the public works and engineering support activities of Brown County government with county agencies, local and tribal governments in anticipation of, in response to, and recovery efforts from a disaster.

2. Describes how Brown County coordinates and monitors resources in support of county, local and tribal governments in, mitigation, preparedness, response and recovery.

## **II. POLICIES**

- A. Brown County Emergency Management is the primary agency for coordinating with federal, state, or neighboring county agencies.
- B. County, Local, and Tribal
  1. Local authorities are responsible for obtaining required permits (e.g. oversize/overweight highway permits), waivers (e.g. solid waste and hazardous waste management) and clearances related to ESF #3 support.
- C. Private Sector
  1. Appropriate entities of the private sector are integrated into the planning and decision-making processes at all levels of government, but especially at the local jurisdiction level.

## **III. CONCEPT OF OPERATIONS**

### **A. General**

Local government is responsible for ensuring that the infrastructure and buildings in the community are safe for use after a disaster or creating, through demolitions or repairs, a safe condition. Brown County, through the lead coordinating agency, will support a county agency or local jurisdiction with public works and engineering needs by drawing, as able, from county, state, federal, local government, volunteers and the private sector.

Public works and engineering responders will attempt to identify mitigation opportunities to reduce future disaster damages and make recommendations as appropriate. These responders will provide information on possible mitigation opportunities, through the lead coordinating agency, to the State Interagency Disaster Recovery Group (IDRG) and the State Hazard Mitigation Team (SHMT).

During the recovery phase, all agencies are expected to support continuing operations with equipment and staff.

### **B. Organization**

1. During an emergency or disaster situation, Brown County Emergency Management and support agencies of ESF 3 will

assign personnel to the Brown County Emergency Operations Center (EOC). Brown County Emergency Management will coordinate with Brown County Public Works to designate an ESF-3 Coordinator to operate at the EOC

2. At the county/local level, State coordination activities will be through will be through the WEM Regional Director

**C. Procedures**

1. The activation of ESF 3 will be managed through Brown County Emergency Management and its standard notification procedures.

**D. Mitigation & Preparedness Activities**

1. Trains ESF 3 county agency and private sector personnel in disaster response and recovery procedures.
2. Develops policies and procedures for ESF 3 emergency response and recovery personnel deployment and communications activities.
3. Maintains liaison with county support agencies and private sector service providers.
4. Develops and maintains a database of technical assistance services that can provide support during emergencies or disasters, including contact and notification list and procedures, as practical.
5. Conducts periodic training and exercises and participates in drills and exercises.
6. Identify, develop and incorporate, as necessary
  - a. Private sector capabilities and resources
  - b. Backup response and recovery processes

**E. Response Activities**

1. Evaluate and task the public works and engineering support requests for the threatened and/or impacted area.
2. Activate the notification systems to support a deployment of Brown County ESF 3 support agencies and/or Brown County Preliminary Damage Assessment Team, and, if necessary, state response teams.
3. Generate in a timely manner, information to be included in Brown County Emergency Operations Center (EOC) briefings, situation reports, and/or action plans.
4. Assign and schedule sufficient personnel to cover an activation of the Brown County EOC for an extended period of time.
5. Maintain appropriate fiscal detail records of work and costs incurred by ESF 3 agencies during an event, especially costs and management details of initial debris management activities.
6. Evaluate the short-term and long-term recovery period for the event.

**F. Recovery Activities**

ESF 3 Support includes technical advice and evaluations, engineering services, construction management and inspection, emergency contracting, emergency repair of water and wastewater facilities, provision of potable water, and provision of emergency power. Activities within the scope include:

1. Participation in mitigation and preparedness activities.
2. Participation in needs and damage assessment immediately following the event.
3. Emergency clearance of debris to allow for reconnaissance of the damaged areas and passage of emergency personnel and equipment for lifesaving, life protecting, and health and safety purposes during response activities.
4. Removal of debris from public streets and roads.
5. Assist with removal of animal carcasses (addressed in ESF #11)
6. Temporary repair or replacement of emergency access routes. Routes include damaged streets, roads, bridges, ports, waterways, airfields, and any other facilities necessary for passage of rescue personnel.
7. Emergency restoration of critical public facilities including temporary restoration of water supply and wastewater treatment systems.
8. Emergency demolition or stabilization of damaged structures and facilities.
9. Emergency contracting to support public health and safety.
10. Technical assistance including structural inspection of private residences, commercial buildings, and structures.
11. Assisting in the preparation of internal Preliminary Damage Assessments (PDAs) as required.
12. Support other ESFs as requested.

**IV. RESPONSIBILITIES**

**A. Lead Coordinating Agency:**

Brown County Highway Department

1. Coordinate the provision of assistance to the local governments with assessing damage to infrastructure and buildings and determine what resources (e.g., specialized personnel, equipment, supplies) are required to restore and maintain essential services (e.g., electricity, fuel, water, sewage disposal, telecommunications.)
2. Coordinate with state agencies responsible for public works and engineering to provide the county and the local governments the

necessary resources to restore and maintain essential services.

3. Support evacuation activities as described in the Brown County Evacuation Plan.
4. Provide training as requested to local entities regarding the performance of damage assessment and identification of appropriate mitigation measures.
5. Identify and recommend mitigation opportunities that will reduce future disaster damages.
6. Coordinate county Hazard Mitigation efforts and ensure that the county agencies participate in planning activities and provide information for the County Hazard Mitigation Plan.
7. Make available information on the services, options and methods of obtaining assistance (e.g., grants) from the agency to those impacted by the disaster.

**B. Support Agencies (General)**

1. All city mayors, village presidents and town chairs are the coordinators for their jurisdictions. A list of the respective village presidents, city mayors and town chairs are provided in the EOC phone list (Appendix I). Provide technical assistance to local agencies in the areas of:
  - water and air quality,
  - sewage treatment,
  - dam safety,
  - hazardous and solid waste,
  - riverine flood control,
  - shoreline protection and
  - environmental assessments.
2. Assist local officials with assessing damage to Private Onsite Waste Treatment Systems (POWTS) and facilitating the restoration to those damaged.
3. Coordinate the inspections, drawdowns, repairs and operational changes of dams and other water-control structures.
4. Assist local officials with identifying licensed contractors to assist with the installation of replacement storage tanks for flammable and combustible liquids
5. Provide staff or lists of private appraisers for the preliminary assessment of damages to buildings and railroads.
6. Assist with providing the necessary environmental waivers and

legal clearances to response efforts.

7. Support efforts for temporary construction of roads and bridges when appropriate.
8. Support efforts to protect the water supply and sewage systems.
9. Support efforts regarding debris removal and assisting with temporary landfill issues.
10. Support efforts to designate and demolish structures that are determined to be hazardous.
11. Assist with determining the need for and construction of emergency structures (e.g., levees, sandbagging, bridges.)
12. Support efforts to provide sanitation services during an emergency.
13. Coordinate with WEM and local governments to utilize private contractors in response, recovery, mitigation and remediation efforts.

## **V. RESOURCE REQUIREMENTS**

ESF 7 maintains information on state and local resources, including ESF 3 resources, as appropriate.

General Resource Requirements for ESF 3 (identification and quantities to be determined based on NIMS requirements):

- Debris Management Team
- Damage Assessment Teams:
  - Gas Distribution System
  - Water and Sewer
  - Electric Power
  - Communications System
  - Transportation
- Restoration Teams:
  - Water and Sewer
  - Gas Distribution System
  - Communications System
  - Electric Power
- Specialized Equipment Inventories
  - A. Emergency Public Works Coordinator
    1. Coordinate emergency public works activities.

2. Train personnel in emergency preparedness.
3. Develop Mutual Aid Agreements.
4. Develop list of private contractors.
5. Develop Resource List
6. Maintains the EOC generator in good working condition.
7. Participate in emergency preparedness exercises.

B. Highway and Street Divisions

1. Repair roads and bridges.
2. Maintain storm sewers.
3. Maintain debris and garbage operations.
4. Perform damage assessments.
5. Provide diking material for protection of sewer and water systems/supplies.
6. Assist in decontamination.
7. Assist in search and rescue operations, as needed.
8. Store and provide fuel for emergency vehicles.
9. Maintain contact with EOC.
10. Inspect, designate and demolish hazardous structures.

C. Water & Sewer Departments

1. Maintain water pressure.
2. Provide portable water.
3. Maintain sewer system.
4. Provide diking and plugging material for sewer and water system.
5. Provide temporary sanitary facilities, as needed.
6. Coordinate with Health Department on water testing.

7. Decontaminate water system.
8. Assess damages.
9. Maintain contact with EOC.

D. Engineering Department

1. Assess damages.
2. Provide engineering services and advice.
3. Oversee flood control activities.
4. Maintain contact with EOC.

E. Utilities – Electric

1. Assess damages.
2. Restore all service to essential facilities and EOC.
3. Provide electric service to all patrons.
4. Maintain all lines in good repair.

F. Utilities – Telephone

1. Assess all damages.
  2. Restore all service to essential facilities and EOC.
  3. Provide telephone service to all patrons.
  4. Maintain all lines in good repair.